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NOTICE OF ALLOWANCE AND FEE(S) DUE

27367 7590 12/61/2009 WESTMAN CHAMPLIN & KELLY, P.A. SUITE 1400 900 SECOND AVENUE SOUTH

MINNEAPOLIS, MN 55402

EXAMINER

BRUTUS, JOEL F

ART UNIT PAPER NUMBER

3768 DATE MAILED: 12/01/2009

ſ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/586,272	07/18/2006	Jinguang Wu	P90.12-0001	4184

TITLE OF INVENTION: NON-EVASIVE METHOD AND APPARATUS OF DETECTION OF ORGANISM TISSUES

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	03/01/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This f appropriate. All further co indicated unless corrected maintenance fee notification	form should be used for or respondence including below or directed others.	or transmitting the IS ag the Patent, advance nerwise in Block 1, by				should be completed when it correspondence address a parate "FEE ADDRESS" fo
CURRENT CORRESPONDEN	CE ADDRESS (Note: Use Blo	ock 1 for any change of addre	p	apers. Each additiona	mailing can only be used is certificate cannot be used I paper, such as an assignn of mailing or transmission	for domestic mailings of the for any other accompanying nent or formal drawing, mus
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WESTMAN CHAMPLIN & KELLY, P.A. SUITE 1400 900 SECOND AVENUE SOUTH			I S a tu	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmital is being deposited with States Postal Service with sufficient postage for first class mail in addressed to the Mail Stop ISSUE FEE address above, or bei transmitted to the USPTO (571) 273-2885, on the date indicated by		
MINNEAPOLIS,	MN 55402					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,272	07/18/2006		Jinguang Wu		P90.12-0001	4184
TITLE OF INVENTION:	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU			E DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	03/01/2010
				¬ "	\$1033	03/01/2010
EXAMIN		ART UNIT	CLASS-SUBCLASS	┙		
BRUTUS, .	JOEL F	3768	600-473000			
1. Change of correspondence address or indication of "Fee Address" (2 °CR 1.363). ☐ Change of correspondence address for Change of Correspondence Address from PTO/SB/122) attached. ☐ "Fee Address "indication for "Fee Address" indication form PTO/SB/122 has the Address "indication for "Fee Address" indication for "Fee Address" indication for "Fee Address" indication for "ADD (1.364 °CR) (1.364 °CR			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is 3 listed, no name will be printed.			
(A) NAME OF ASSIG		categories (will not be	(B) RESIDENCE: (CI			roup entity Government
4a. The following fee(s) ar Issue Fee Publication Fee (No	small entity discount p		A check is enclosed	i. card. Form PTO-2038	ge the required fee(s), any	
 Change in Entity Statu a. Applicant claims 	SMALL ENTITY statu	is. See 37 CFR 1.27.			L ENTITY status. Sec 37	
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requered of the United Sta	uired) will not be acce tes Patent and Tradem	pted from anyone other tha ark Office.	n the applicant; a regi	stered attorney or agent; or	the assignee or other party ir
Authorized Signature _				Date		
Typed or printed name				Registration N		
This collection of informat an application. Confidentis submitting the completed this form and/or suggestion Box 1450, Alexandria, Vir Alexandria, Virginia 2231:	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur- ginia 22313-1450. DC 3-1450.	FR 1.311. The inform U.S.C. 122 and 37 Cl USPTO. Time will v rden, should be sent to D NOT SEND FEES C	ation is required to obtain of FR 1.14. This collection is ary depending upon the in the Chief Information Off PR COMPLETED FORMS	or retain a benefit by t estimated to take 12 i dividual case. Any co icer, U.S. Patent and TO THIS ADDRESS	he public which is to file (a minutes to complete, includ mments on the amount of Trademark Office, U.S. De S. SEND TO: Commissione	nd by the USPTO to process ing gathering, preparing, and time you require to complete partment of Commerce, P.O. r for Patents, P.O. Box 1450

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/586,272	07/18/2006	Jinguang Wu	P90.12-0001	4184	
27367 75	90 12/01/2009		EXAM	UNER	
WESTMAN CH	AMPLIN & KELLY	BRUTUS, JOEL F			
SUITE 1400		ART UNIT	PAPER NUMBER		
900 SECOND AVI MINNEAPOLIS, N			3768 DATE MAIL ED: 12/01/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 492 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 492 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)					
10/586,272	WU ET AL.					
Examiner	Art Unit					
IOEL E BRUTUS	3768					

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 10/21/2009.
- The allowed claim(s) is/are 1-3 and 5-22.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 - 1.

 Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) I hereto or 2) I to Paper No./Mail Date _____
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. X Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other _____.

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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Judson Champlin on 11/5/2009.

The application is amended as follow:

Claim 1, lines 17 "A" has been changed to --a--; line 37, "1- - "has been changed to --1 - 3--.

Claim 2, line 2 "i.e" has been cancelled.

Claim 5 line 2 "1- - 3" has been changed to -1 - 3-- ; line 3 "700- -4000" has been changed to -700 - 4000-.

Claim 6 line 3 "1000 cm $^{-1}$ - 1800 cm $^{\wedge}$ -1 3" has been changed to — 1000 cm $^{-1}$ - 1800 cm $^{-1}$ —;

line 4 "2800 cm $^{-1}$ - -3000 cm $^{-1}$ " has been changed to -- 2800 cm $^{-1}$ - 3000 cm $^{-1}$ --.

Claim 7 line 3 "1400 cm $^{-1}$ - 1490 cm $^{-1}$ " has been changed to -- 1400 cm $^{-1}$ - 1490 cm $^{-1}$ -.

Claim 9 line 3 "2800 cm $^{-1}$ - - 3000 cm $^{-1}$ " has been changed to - 2800 cm $^{-1}$ - 3000 cm $^{-1}$ -:

line 4 "1000 cm⁻¹- -1800 cm cm⁻¹" has been changed to -- 1000 cm⁻¹ - 1800 cm⁻¹ -

Application/Control Number: 10/586,272

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Claim 10 line 3 "2800 cm $^{\text{-1}}\text{--}3000~\text{cm}^{\text{-1}}\text{"}$ has been changed to - 2800 cm $^{\text{-1}}\text{--}3000~\text{cm}^{\text{-1}}\text{--};$

line 4 "1400 cm⁻¹- -1500 cm⁻¹" has been changed to -- 1400 cm⁻¹ - 1500 cm⁻¹ --.

Claim 11 line 4 "1200 cm⁻¹- -1580 cm⁻¹" has been changed to - 1200 cm⁻¹ - 1580 cm⁻¹ --.

Claim 12 line 4 "1000 cm $^{\text{-1}}$ - -1800 cm $^{\text{-1}}$ " has been changed to -- 1000 cm $^{\text{-1}}$ - 1800 cm $^{\text{-1}}$ ---.

Claim 13 line 4 "1200 cm $^{\text{-1}}\text{--}$ -1580 cm $^{\text{-1}}\text{"}$ has been changed to - 1200 cm $^{\text{-1}}$ - 1580 cm $^{\text{-1}}$ --.

Claim 14, line 4, "using has been changed to -providing--.

Claim 15 line 3 *1000 cm $^{-1}$ - 1800 cm $^{-1}$ * has been changed to -- 1000 cm $^{-1}$ - 1800 cm $^{-1}$ --;

line 4 "2800 cm⁻¹- - 3000 cm⁻¹" has been changed to – 2800 cm⁻¹ - 3000 cm⁻¹ --.

Claim 16 line 3 "1400 cm⁻¹- - 1490 cm⁻¹" has been changed to -- 1400 cm⁻¹
1490 cm⁻¹ --.

Claim 18 line 3 "2800 cm $^{-1}$ - 3000 cm $^{-1}$ " has been changed to - 2800 cm $^{-1}$ - 3000 cm $^{-1}$ --;

line 4 "1000 cm $^{-1}$ - 1800 cm $^{-1}$ " has been changed to - 1000 cm $^{-1}$ - 1800 cm $^{-1}$ -. Claim 19 line 3 "2800 cm $^{-1}$ - 3000 cm $^{-1}$ " has been changed to - 2800 cm $^{-1}$ - 3000 cm $^{-1}$ -;

line 4 "1400 cm⁻¹- -1500 cm⁻¹" has been changed to -- 1400 cm⁻¹ - 1500 cm⁻¹ ---.

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Claim 20 line 3 "1200 cm $^{-1}$ - -1580 cm $^{-1}$ " has been changed to - 1200 cm $^{-1}$ - 1580 cm $^{-1}$ --.

Claim 21 line 3 "1000 cm $^{\text{-1}}$ - 1800 cm $^{\text{-1}}$ " has been changed to - 1000 cm $^{\text{-1}}$ - 1800 cm $^{\text{-1}}$ --.

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to JOEL F. BRUTUS whose telephone number is
(571)270-3847. The examiner can normally be reached on Mon-Fri 7:30 AM to 5:00
PM (Off alternative Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on (571)272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric F Winakur/ Primary Examiner, Art Unit 3768

/J. F. B./ Examiner, Art Unit 3768